

WHAT IS CLAIMED IS:

1. A method of generation and homodyne detection comprising selecting a length of electric path, wherein an equal value is selected of both electrical paths between shunt arm in waveguide T-connection and generated diode in one collinear arm, and in the second collinear arm between the same shunt arm and detection diode.
2. A generation and homodyne detection system containing generation Gunn diode seating connected with one collinear arm, and detection diode seating connected with the second collinear arm significant by waveguide T-connection between generation diode seating and detection diode seating.